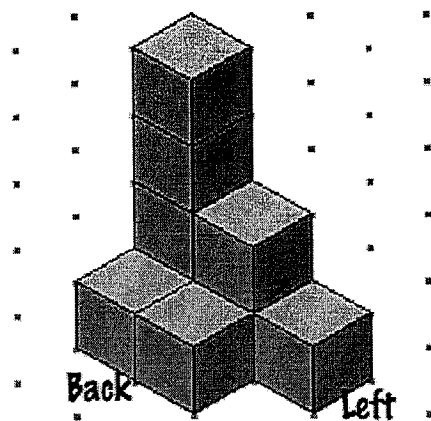


6:1:1 Cubes and prisms

The figure at the right is made of centimeter cubes. Answer the following questions. Don't forget to label! (2 points each)

1. Find the SA.

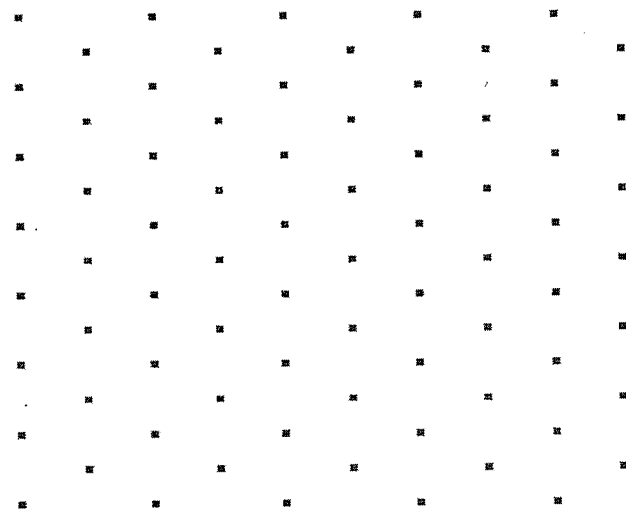
2. Find the volume.



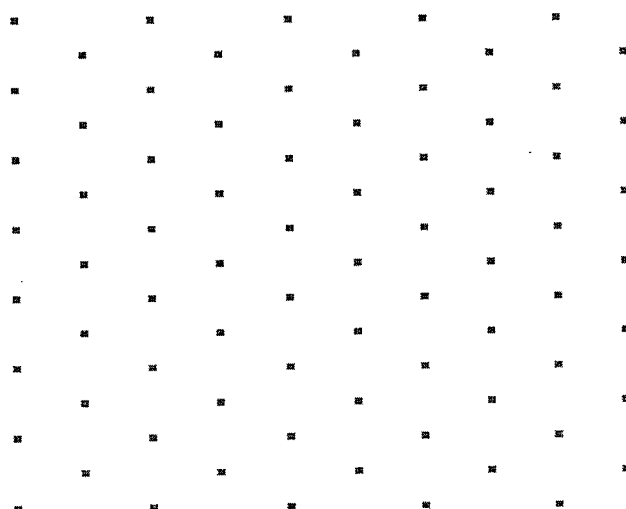
6:1:2 Points of View

Draw each view.

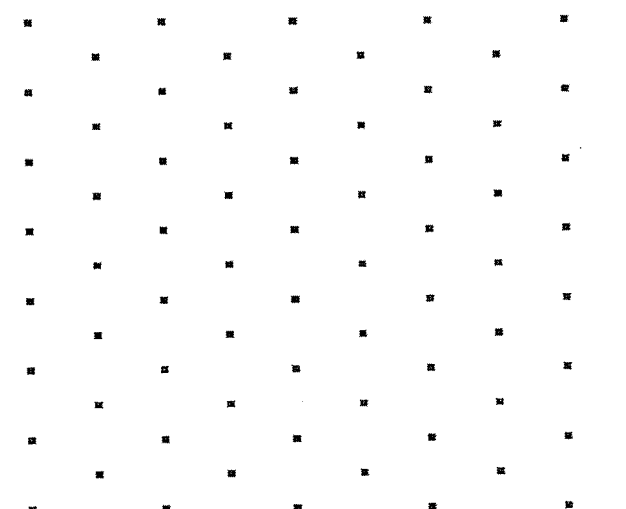
3. Left-Front



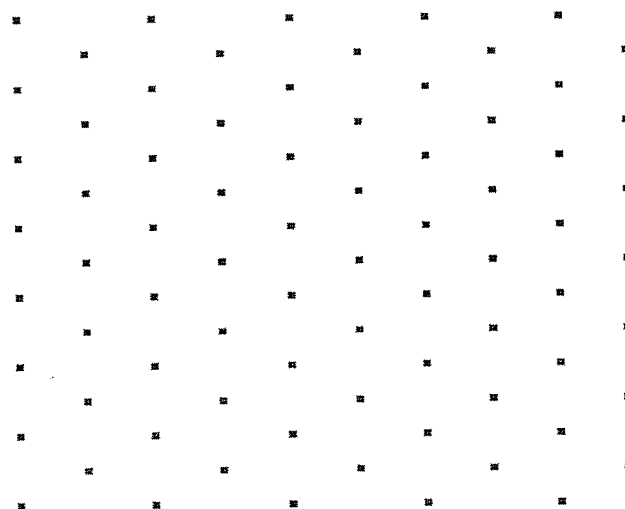
4. Front-Right



5. Back-Left



6. Right-Back



Draw the flat views of the figure from each of the following viewpoints. (1 point).

7. Front

8. Back

9. Left

10. Right

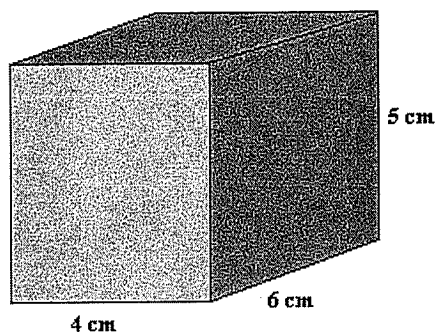
11. Top

12. Bottom

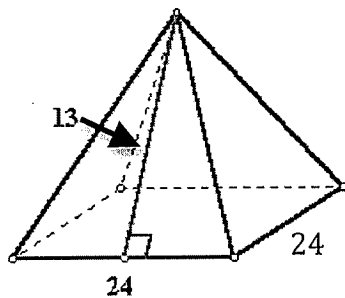
6:3:1 Surface Area of 3-D Figures

Find the surface area of each figure. (4 points each)

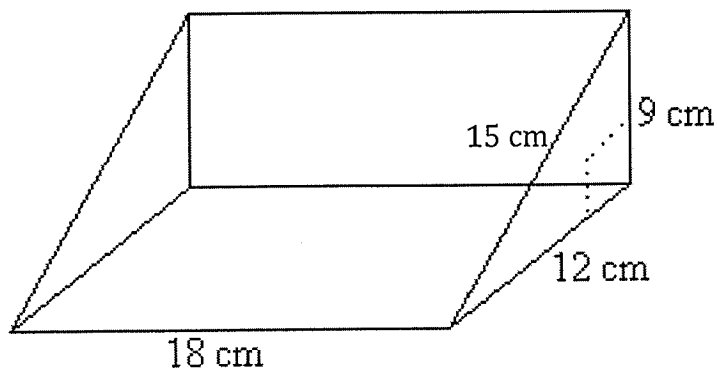
13.



14.



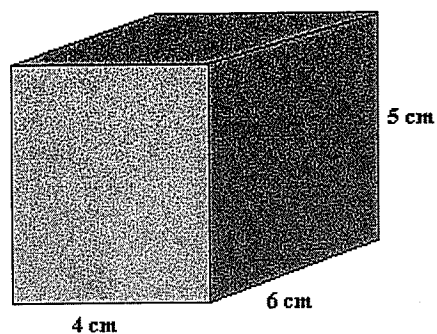
15.



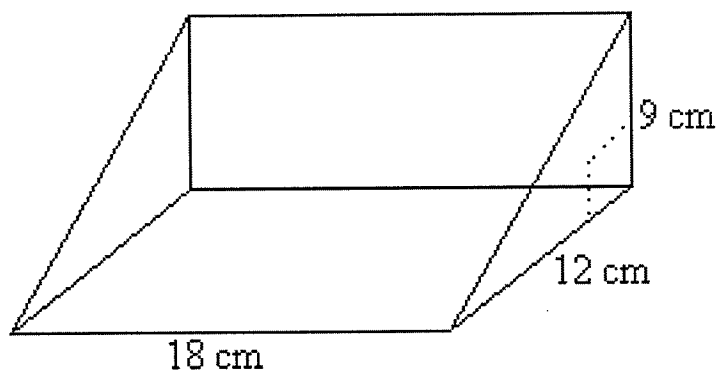
6:3:2 Volume of Prism, Pyramids, and Cones

Find the volume of each figure. (3 points each)

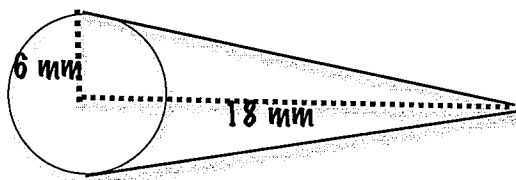
16.



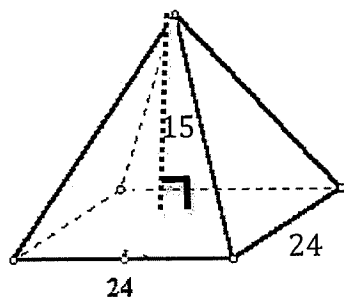
17.



18.



19.



6:4:1 Parallel Lines and Transversal

In the diagram, line g is parallel to line h . Line y is the transversal. (1 point each).

If the $m\angle 13 = 105^\circ$ find the measure of each angle.

20. $m\angle 11 =$ _____

21. $m\angle 12 =$ _____

22. $m\angle 18 =$ _____

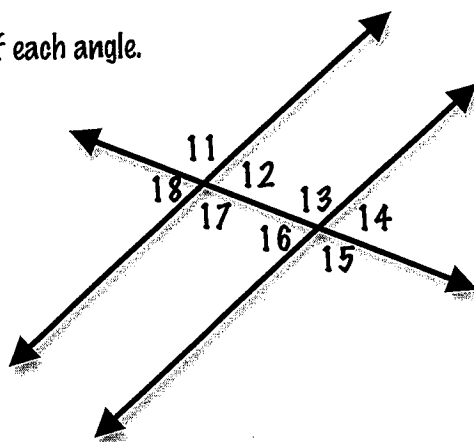
23. $m\angle 15 =$ _____

24. Name a pair of vertical angles.

25. Name a pair of alternate interior angles.

26. Name a pair of corresponding angles.

27. Name a pair of alternate exterior angles.



Scale Drawings

Use the given scale to find the missing dimensions.

28. The scale in a scale drawing Brittany made of her backyard is 1.5 inch = 15 feet. A line 2.5 inches long represents how many feet?

29. Mike has an assignment to construct a scale drawing of an outdoor chair. He plans to use the scale 0.125 inch = 2 ft. If the height of the chair is 3.5 ft, how tall should it be in the drawing?